

CLAIM AMENDMENTS

In the claims:

Kindly revise the claims of record, in the manner set forth hereinafter.

CLAIMS:

1-11. (Cancelled)

12. (Currently Amended) Apparatus as claimed in claim ~~11~~ 23 wherein said ultrasonic wave ~~generation means~~ generator comprises an electrical oscillator and wherein said ~~at least one transducer~~ is transducers are adapted to produce mechanical vibrations in response to an electrical input from said oscillator.

13. (Cancelled)

14. (Cancelled)

15. (Currently Amended) Apparatus as claimed in claim ~~14~~ 23 wherein said support comprises a flexible mount whereby said transducers are flexibly mounted relative to one another.

16. (Currently Amended) Apparatus as claimed in claim ~~14~~ 23 wherein said transducers are mounted to said support by flexible mounting means whereby said transducers are flexibly mounted relative to one another.

17. (Currently Amended) Apparatus as claimed in claim ~~14~~ 23 and including adjustment means between said transducers and said support whereby the position of the transducers relative to one another may be adjusted to suit a particular neck.

18. (Cancelled)

19. (Currently Amended) Apparatus as claimed in claim ~~18~~ 23 and ~~including an applicator assembly including said support and said~~

~~transducers, wherein~~ said applicator assembly ~~being is~~ detachably mounted to said main body to enable its interchange with said applicator assemblies.

20. (Cancelled)

21. (Cancelled)

22. (Currently Amended) A method of inducing a reflexive coughing response in a person or animal, said method ~~including~~ comprising the steps of providing ultrasonic apparatus having ultrasonic wave generation means and an applicator assembly comprising at least one ultrasonic transducer, ~~said ultrasonic wave generation means having an active portion,~~ operating said ultrasonic wave generation means to produce ultrasonic vibrations in said ~~active portion~~ at least one ultrasonic transducer of a frequency suitable for at least limited penetration of the soft body tissue of the neck of a person or animal, and applying ~~the active portion of said wave generation means~~ said applicator assembly to a selected region of the neck of a person or animal such that said ultrasonic vibrations from said at least one ultrasonic generator penetrate at least to a limited extent the soft tissue portion of the neck and cause said reflexive coughing response.

23. (Currently Amended) Apparatus for inducing a coughing reflex in a person or animal, said apparatus including:

~~an elongated~~ a main body comprising a gripping handle for said apparatus,

an applicator assembly adapted to be placed in contact with a region of the neck of the person or animal, said applicator assembly comprising:

a transducer support ~~mounted to~~ at one end of said main body, said transducer support being of a concave configuration on one side, said main body extending away from said transducer support from the side of said transducer support opposite said one side, said transducer support extending symmetrically to opposite sides of said main body and terminating in spaced apart free ends; and

~~at least one~~ a pair of spaced apart ultrasonic transducer transducers on said transducer support ~~adapted to be placed in contact with a region of the neck of the person or animal, a~~ first ultrasonic transducer of said pair being on said transducer support on one side of said main body and a second ultrasonic transducer of said pair being on said transducer support on the opposite side of said main body, said transducers being angled towards each other; and

an ultrasonic wave generator ~~in said main body and~~ connected to said ~~at least one~~ ultrasonic transducer transducers for producing ultrasonic vibrations in said ~~at least one transducer transducers~~ of a frequency suitable for at least limited penetration of soft body tissue of the neck, the ultrasonic vibrations from the respective said ultrasonic transducers being applied in use to said spaced regions of the neck whereby to stimulate the pharynx and cause a reflexive coughing response in said person or animal.

24-27. (Cancelled)

28. (Currently Amended) Apparatus as claimed in claim 27 23 wherein said ~~transducer support comprises an arcuate member having a concave side and a convex side, said arcuate member transducer support having~~ has central attachment means ~~on said convex side for~~

mounting said ~~member~~ transducer support to said one end of said main body and wherein said transducers are arranged along said transducer support symmetrically on opposite sides of said attachment means.

29. (Cancelled)

30. (Currently Amended) Apparatus for inducing a coughing reflex in a person or animal, said apparatus including:

an elongated main body for holding by the hand, said main body having a first end and a second end;

~~an applicator assembly mounted to one end of said main body,~~
~~said applicator assembly~~ comprising:

an arcuate transducer support, said arcuate transducer support

having a concave side, said transducer support having spaced apart opposite free ends, the first end of said main body being connected to the transducer support on the side of said transducer opposite said concave side such that said main body extends from said first end away from said transducer support, said transducer support including respective support portions extending symmetrically to opposite sides of said main body from said first end of said main body to the opposite free ends of the transducer support respectively,

a first ultrasonic ~~transducers~~ transducer supported on one transducer

support portion and a second ultrasonic transducer supported on the other transducer support such that said transducers are arranged at spaced apart positions along said transducer support and are angled towards each other, said transducers being

adapted to be placed in contact with spaced regions around of the neck of the person or animal; and

an ultrasonic wave generator in said main body and connected to said ultrasonic ~~transducer~~ transducers for producing ultrasonic vibrations in said transducers of a frequency suitable for at least limited penetration of soft body tissue of the neck and at said spaced regions of the neck whereby to stimulate a reflexive coughing response in said person or animal.

31. (Currently Amended) Hand-held apparatus for application to the neck of a person or animal for inducing a coughing reflex in a person or animal, said apparatus including ~~at least one~~ an applicator assembly comprising a pair of ~~ultrasonic-transducer transducers,~~ said transducers being spaced apart and being angled towards each other, an ultrasonic wave generation means for producing ultrasonic vibrations in said ~~transducer~~ transducers of a frequency suitable for at least limited penetration of soft body tissue of the neck, said ~~at least one ultrasonic transducer~~ applicator assembly being adapted to be placed in contact with a region of the neck of a person or animal such that said ultrasonic vibrations from said ~~at least one transducer~~ transducers can penetrate ~~said the~~ soft body tissue of said neck at spaced apart regions whereby to stimulate a reflexive coughing response in said person or animal.

32. (Cancelled)

33. (Cancelled)

34. (New) A method as claimed in claim 22 wherein said applicator assembly includes pair of spaced apart ultrasonic transducers, said ultrasonic transducers being angled towards each other and where said method comprises the step of applying said applicator assembly to the neck of said person or animal whereby ultrasonic vibrations from each said transducer of said applicator assembly penetrate at least to a limited extent the soft tissue portion of the neck at spaced regions around the neck to cause said reflexive coughing response.